

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT (PCT Article 36 and Rule 70)

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Applicant's or agent's file reference 2282-167	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/PEA/416)	
International application No. PCT/CA 03/00927	International filing date (day/month/year) 10.06.2003	Priority date (day/month/year) 10.06.2002
International Patent Classification (IPC) or both national classification and IPC B65H75/18		
Applicant ENGLEWOOD VENTURES INC. et al.		

- This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
- This REPORT consists of a total of 4 sheets, including this cover sheet.  
  
☒ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).  
  
 These annexes consist of a total of 3 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the opinion
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand  10.01.2004	Date of completion of this report  21.04.2004
Name and mailing address of the international preliminary examining authority:   European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized Officer  Bonvin, C  Telephone No. +49 89 2399-2056  

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. **PCT/CA 03/00927**

**I. Basis of the report**

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

**Description, Pages**

1, 3-5 as originally filed  
2 received on 09.03.2004 with letter of 04.03.2004

**Claims, Numbers**

1-8 received on 09.03.2004 with letter of 04.03.2004

**Drawings, Sheets**

1/3-3/3 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).  
☐ the language of publication of the international application (under Rule 48.3(b)).  
☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority in written form.  
☐ furnished subsequently to this Authority in computer readable form.  
☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.  
☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:  
☐ the claims, Nos.:  
☐ the drawings, sheets:

**INTERNATIONAL PRELIMINARY  
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5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).

*(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)*

6. Additional observations, if necessary:

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

1. Statement

Novelty (N)	Yes: Claims	1-8
	No: Claims	
Inventive step (IS)	Yes: Claims	1-8
	No: Claims	
Industrial applicability (IA)	Yes: Claims	1-8
	No: Claims	

2. Citations and explanations

**see separate sheet**

**Re Item V**

**Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

1. GB-A-2 362 375 (D1), considered as showing the nearest prior art of the present application, discloses a bung 18 for a paper roll 12 having a cylindrical opening. Said bung 18 comprises a core 22 and at least one roll contacting element 23 coupled to said core and operative to maintain said core 22 in said cylindrical opening.

Starting from the bung known from D1, an essential purpose of the present invention is to provide a bung that is easily inserted into the paper roll.

This purpose is especially achieved by the fact said roll contacting element is frangibly coupled to said core such that said roll contacting element breaks from said core when said bung is inserted into said cylindrical opening.

None of the cited documents discloses or suggests to make frangible said roll contacting element. In D1, for example, the roll contacting elements 23 are flexible but not frangible.

Therefore, the subject-matter of claim 1 is new and involves an inventive step.

2. Claims 2-8 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.

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## WE CLAIM:

1. A bung for a paper roll having a cylindrical opening, comprising:

- 5       a) a body; and
- b) a roll contacting element frangibly coupled to said body and operative to break when said bung is inserted into said cylindrical opening.

10   2. The bung according to claim 1, wherein said roll contacting element is comprised of a plurality of flanges that fold down to partially surround said body.

          3. The bung according to claim 2, wherein said  
15 plurality of flanges are three in number.

          4. The bung according to claim 2, wherein each flange in said plurality of flanges has anchor ridges for contacting said paper roll.

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REPLACED BY  
ART 34 AMDT

It is a further object of this invention to provide a bung that is dimensioned to restrict the types of paper rolls that can be inserted into a dispenser.

## 5 SUMMARY

The invention consists of a bung for a paper roll. The bung is comprised of a body and a roll contacting element frangibly coupled to the body. When the bung is  
10 inserted into the cylindrical opening of the paper roll, the roll contacting element breaks off from the body.

Preferably, the roll contacting element is comprised of a plurality of flanges, which fold down and partially  
15 surround the body. The flanges may include anchor ridges that contact the paper roll when the bung is inserted.

## BRIEF DESCRIPTION OF THE DRAWINGS

20 The invention itself both as to organization and method of operation, as well as additional objects and advantages thereof, will become readily apparent from the following detailed description when read in connection with the accompanying drawings:

25 Figure 1 is a side view of a bung in an unfolded state;

Figure 2 is a top view of a bung in an unfolded state;

REPLACED BY  
ART 34 AMDT